

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 03-287530

(43)Date of publication of application : 18.12.1991

(51)Int.Cl.

A61K 31/19

(21)Application number : 02-083038

(71)Applicant : SNOW BRAND MILK PROD CO LTD

(22)Date of filing : 31.03.1990

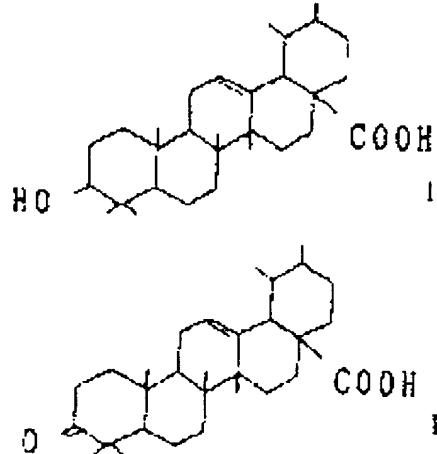
(72)Inventor : WASHIDA NAOHIRO  
YOSHIDA NORIKO  
KOSHIMIZU KOICHI  
DAITO HAJIME

## (54) IMMUNOSUPPRESSIVE AGENT

### (57)Abstract:

PURPOSE: To obtain an immunosuppressive agent having low toxicity, comprising ursolic acid or ketoursolic acid as an active ingredient.

CONSTITUTION: An immunosuppressive agent comprising ursolic acid shown by formula I or ketoursolic acid shown by formula II known to have mild antimicrobial effects free from toxicity, promotion of recovery of liver disorder and antiulcer effects or a salt thereof as an active ingredient. The immunosuppressive agent is usable for organ transplantation or as a remedy for allergic diseases and a dose is 0.01-10mg/kg and administered orally or parenterally once or several times daily.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than  
the examiner's decision of rejection or  
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]